

Patent  
09/785,243

Please amend Claim 6 as follows:

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6. (Amended) An apparatus for causing hypothermia, said apparatus comprising:

- a circulating unit adapted for chilling and circulating a fluid;
- a flexible elongated catheter;
- a flexible tubular outer catheter body on said catheter;
- a flexible fluid supply tube within said outer catheter body, a proximal end of a central lumen of said fluid supply tube being connected in fluid flow communication with an outlet of said circulating unit;
- a fluid return lumen within said outer catheter body, a proximal end of said fluid return lumen being connected in fluid flow communication with an inlet of said circulating unit; and
- a flexible heat transfer element mounted to a distal end of said outer catheter body, said heat transfer element having a partially helical shape to increase the surface area available for heat transfer.

Please add Claims 10-11 as follows:

10. The apparatus of claim 6, further comprising is a blood flow passageway through the partially helical shape of the heat transfer element.

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11. The cooling apparatus of claim 7, further comprising a blood flow passageway through the partially helical shape of the heat transfer element.